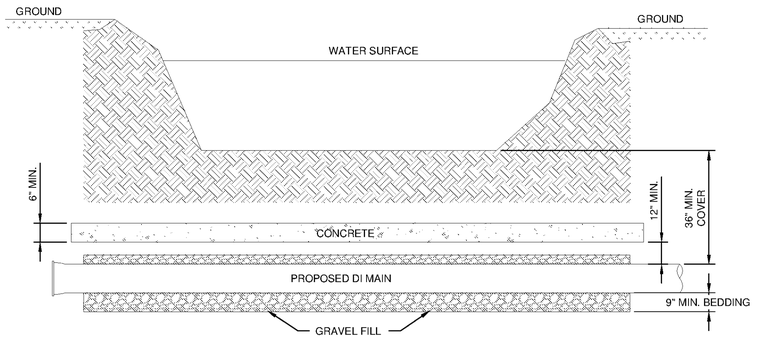
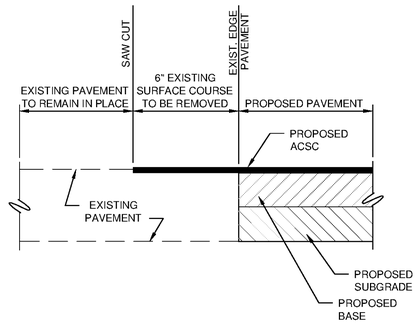


CREEK CROSSING

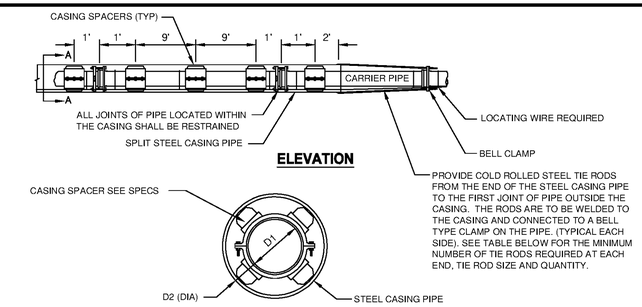
1 DETAIL
SCALE: N.T.S.

HUNTSVILLE UTILITIES
WATER DEPARTMENT
SPEC # 3D



SAW CUT

3 DETAIL
SCALE: N.T.S.



ELEVATION

SECTION "A-A"

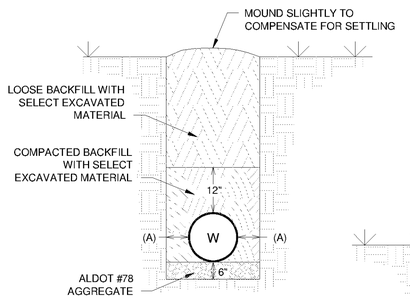
CARRIER TYPE AND CASING PIPE SIZES (MIN) IN INCHES														
CARRIER PIPE NO. DIA. (D_1)	4	6	8	10	12	14	16	18	20	24	30	36	42	48
CASING PIPE NOM. DIA. (D_2)	14	16	20	20	24	30	30	30	36	42	48	54	60	66
WALL THICKNESS DOT OR FTE	0.25	0.25	0.25	0.25	0.25	0.312	0.312	0.312	0.375	0.50	0.50	0.50	0.50	0.50
NUMBER OF TIE RODS (EACH END)	2	2	2	4	4	6	6	8	8	12	14	14	16	16
TIE ROD SIZE (DIA.)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"

NOTES:

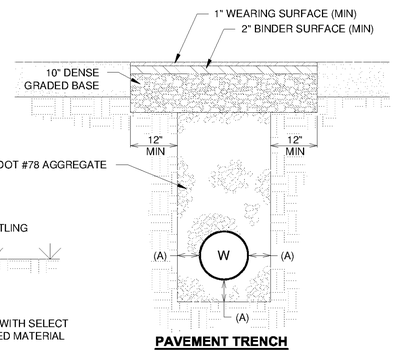
1. MIN. COVER TO TOP OF CASING; a) FDOT-3.0' b)RAILROAD-5.5' TO BASE OF RAIL, 4.5' FOR SECONDARY OR INDUSTRIAL TRACKS. EXCEPT FOR F..E.C.
2. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE A MINIMUM OF 4 INCHES GREATER THAN THE OUTSIDE DIAMETER OF THE CARRIER PIPE BELL OR COUPLING.
3. ALL JOINTS WITHIN CARRIES PIPE SHALL BE MECHANICAL RESTRAINED JOINTS.
4. CASING PIPE SHALL BE FURNISHED IN NOMINAL 8 FOOT LENGTHS (MIN.) UNLESS OTHERWISE INDICATED ON THE DRAWING.
5. PIPE TO BE USED AS A CASING SHALL CONFORM TO EITHER ASTM STANDARD A139 FOR "ELECTRIC FUSION (ARC) WELDED STEEL PIPE", WITH A MINIMUM YIELD STRENGTH OF 35,000 PSI OR "API SPECIFICATION API-5LX, GRADE X-42 WELDED STEEL PIPE".

TYPICAL SPLIT CASING

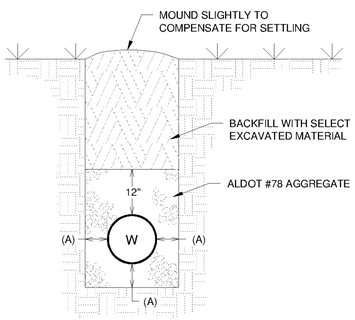
5 DETAIL
SCALE: N.T.S.



EARTH TRENCH



PAVEMENT TRENCH



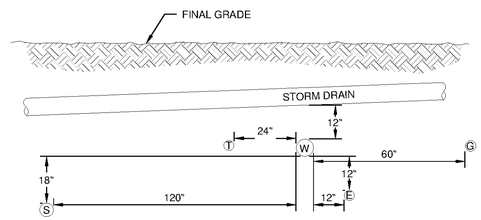
ROCK TRENCH

NOTES:

1. ALL DIMENSIONS SHOWN ARE MINIMUM REQUIREMENTS.
2. DIMENSION (A) SHALL BE 6" MIN. FOR PIPES LESS THAN 30" DIA. DIMENSION (A) SHALL BE 9" MIN. FORPIPES 30" AND LARGER.

STANDARD TRENCH

2 DETAIL
SCALE: N.T.S.



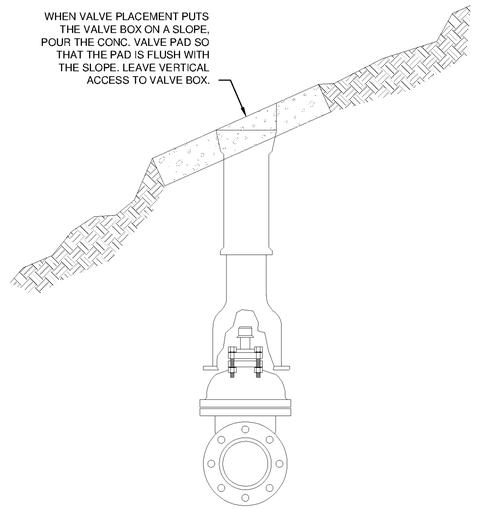
NOTES:

1. MEASUREMENTS ARE FROM EDGE OF WATER PIPE TO EDGE OF OTHER UTILITIES.
2. ALL DIMENSIONS SHOWN ARE MINIMUMS REQUIRED AND MAY BE GREATER DUE TO DIFFERENT CONDUIT CONFIGURATIONS.

MINIMUM SPACING REQUIREMENTS

4 DETAIL
SCALE: N.T.S.

HUNTSVILLE UTILITIES
WATER DEPARTMENT
SPEC # 4A



VALVE BOX PAD (SLOPE CONDITIONS)

6 DETAIL
SCALE: N.T.S.

HUNTSVILLE UTILITIES
WATER DEPARTMENT
SPEC # 10B

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BID SET

ALABAMA LICENSED PROFESSIONAL ENGINEER CHRISTIAN R. DAVALOS 10126 19

MARK	DATE	DESCRIPTION	BY

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT

STANDARD CIVIL DETAILS

Project No.:	200-11740-10003
Designed By:	JRW
Drawn By:	WDV
Checked By:	JPT

C-9501

Copyright: Tetra Tech

Bar Measures 1 inch

10/9/2014 1:38:28 PM - P:\HER\11740\200-11740-10003\CAD\SHEETFILES\TREATMENT PLANT\WTP C-9501 TO C-9503 DETAILS.DWG - DAVALOS, PAULA